

1 Notice of Allowability	Application No.	Applicant(s)	
	09/840,084	CHUNG, KYU-HWANG	
	Examiner Thoi V. Duong	Art Unit 2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed February 18, 2005.
2. ☒ The allowed claim(s) ~~is~~ are 1,3-9 and 11-20.
3. ☒ The drawings filed on 24 April 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|--|

DETAILED ACTION

1. This office action is in response to the Amendment filed February 18, 2005.

Accordingly, claims 1, 9 and 21-23 were amended, and claims 2 and 10 were cancelled. Currently, claims 1, 3-9 and 11-20 are pending in this application.

Allowable Subject Matter

2. Claims 1, 3-9 and 11-20 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record fairly suggests or shows all of the limitations as claimed. Specifically,

Re claims 1 and 9, none of the prior art of record discloses, in combination with other limitations as claimed, a reinforcement connector connected to and formed with a ground portion and detachably connected to the connection cable.

The most relevant references, USPN 5,176,538 of Hansell and USPN 6,305,971 B1 of Yu-Feng, fail to disclose or suggest such reinforcement connector. The Hansell's reference only discloses a reinforcement connector as a spring finger protruding inwardly to provide ground contact. Meanwhile, as shown in Fig. 4, the Yu-Feng's reference only discloses a reinforcement connector as a flat cable insertion socket comprising a main body 20 and a cover 30 formed on a printed circuit board 13 to accommodate the insertion of a flat connection cable 10.

Re claims 3 and 11, none of the prior art of record discloses, in combination with other limitations as claimed, a reinforcement connector comprising:

a connector body formed with a housing portion receiving said connection cable;

a cover provided in said connector body, opening and closing said housing portion, to fasten said connection cable in said housing portion; and

a ground contact provided in said housing portion of said connector body, said ground contact connected to said connection cable and said ground portion of said printed circuit board.

The most relevant reference, USPN 6,305,971 of Yu-Feng, fails to disclose a ground contact connected to a connection cable and a ground portion of a printed circuit board. As shown in Fig. 4, the Yu-Feng's reference only discloses a connector (flat cable insertion socket) comprising a pivotally connected cover 30 opening and closing a housing portion 20 to facilitate easy insertion of a flat cable 10 and to fasten the cable in the housing portion to avoid poor electrical connection (col. 3, lines 3-7 and 49-62).

Re claim 17, none of the prior art of record discloses, in combination with other limitations as claimed, a method comprising:

lifting a cover of a reinforcement connector disposed adjacent to a connector of a liquid crystal display, said reinforcement connector being connected to a ground portion;

inserting a connection cable having a ground pin into an inside portion of said reinforcement connector below said cover;

moving said cover downward to close a housing portion of said reinforcement connector; and

engaging a ground contact of said reinforcement connector with said ground pin of said connection cable.


The most relevant references, USPN 5,176,538 of Hansell III et al. and USPN 6,305,971 of Yu-Feng, fail to disclose or suggest that method. The Hansell's reference discloses a reinforcement connector comprising a cover and a ground spring finger connected to a connection cable and engaging with a ground pin of the PCB; however, the cover of Hansell does not have a function for lifting and moving downward and the connection cable of Hansell does not have a ground pin. Meanwhile, as shown in Fig. 4, the Yu-Feng's reference only discloses a connector (flat cable insertion socket) comprising a pivotally connected cover 30 opening and closing a housing portion 20 to facilitate easy insertion of a flat cable 10 and to secure the cable in place to avoid poor electrical connection (col. 3, lines 3-7 and 49-62).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

Thoi Duong
02/26/2005



ROBERT H. KIM
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